

CLAIMS

1. A window regulator assembly for assembly into a vehicle comprising:
 - a carrier having a first and second guide rail in a spaced generally parallel relationship;
 - a first and a second upper cable guides being mounted on the carrier proximate the upper ends of the first and second guide rails respectively; and
 - a first and a second lower cable guides being mounted on the carrier proximate the lower ends of the first and second guide rails respectively with a cable path being defined between the first upper, second upper, first lower and second lower cable guides by a bare cable arrangement, the cable path having at least a first portion connecting the first upper cable guide to the first lower guide, a second portion connecting the second upper guide to the second lower cable, and a first further portion connecting one of the first upper and lower cable guides to one of the second upper and lower cable guides, the bare cable arrangement being drivable in use by a drive means, with a first and second cursor being connected to the bare cable arrangement so as to provide a double lift bare cable window regulator assembly.
2. A window regulator assembly as defined in claim 1 in which the first further portion of cable path connects the first upper cable guide to the second lower cable guide.
3. A window regulator assembly as defined in claim 1 in which the cable path includes a second further portion connecting the second upper cable guide to the first lower cable guide.
4. A window regulator assembly as defined in claim 1 in which the carrier includes an elongate portion laying substantially parallel and adjacent to part of the cable path.
5. A window regulator assembly as defined in claim 1 in which the carrier includes an elongate portion laying substantially parallel and adjacent to the first or second portions of the cable path.

6. A window regulator assembly as defined in claim 1 in which the carrier includes an elongate portion laying substantially parallel and adjacent to the first or second further portion of the cable path.

7. A window regulator assembly as defined in claim 1 in which the cable path includes a first drive portion connecting the drive means to at least one of the first upper, second upper, first lower or second lower cable guides, and the carrier includes an elongate portion laying substantially parallel and adjacent to the first drive portion of the cable path.

8. A window regulator assembly as defined in claim 7 in which the cable path includes a second drive portion connecting the drive means to another of the first upper, second upper, first lower or second lower cable guides and the carrier includes an elongate portion laying substantially parallel and adjacent to the second drive portion of the cable path.

9. A window regulator assembly as defined in claim 4 in which said elongate portion extends at least to one of the first upper, second upper, first lower, or second lower cable guides.

10. A window regulator assembly as defined in claim 4 in which said elongate portion is generally U shaped in cross section.

11. A window regulator assembly as defined in claim 1 in which the carrier includes a generally 'X' shaped portion, with arms of the 'X' laying parallel and adjacent to portions of the cable path.

12. A window regulator assembly as defined in claim 11 in which the generally 'X' shaped portion connects portions of the carrier laying parallel and adjacent to the first and second guide rails.

13. A window regulator assembly as defined in claim 1 in which the carrier includes mountings for at least one functional component of a door.

14. A window regulator assembly as defined in claim 1 in which the drive means is mounted on a plate of the carrier, the plate having a sealing surface for sealing against a “wet” side of an associated door inner panel.
15. A window regulator assembly as defined in claim 14 in which the drive means is mounted on an inside (“dry”) surface of the plate when considering an associated vehicle.
16. A window regulator as defined in claim 14 in which at least one cable guide is mounted outside of a boundary defined by the sealing surface.
17. A window regulator assembly as defined in claim 16 in which a plurality of cable guides are mounted outside of a boundary as defined by the sealing surface.
18. A window regulator assembly as defined in claim 1 further including a window glass.
19. A door including a window regulator assembly as defined in claim 1, the vehicle door including a door inner panel having an aperture which allows the passage of the drive means during assembly of the window regulator assembly onto the door.